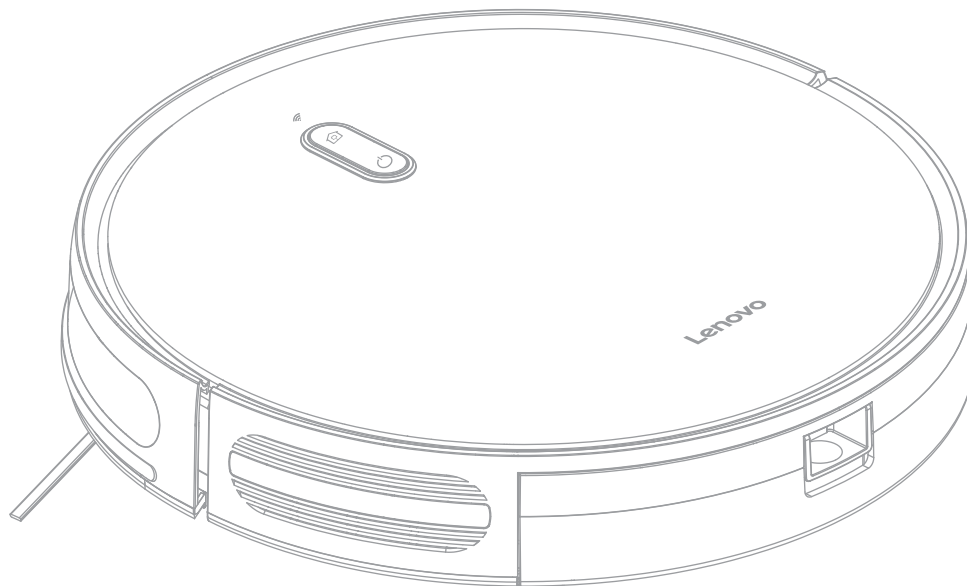


Robot Vacuum Cleaner E1-L User Manual





Please use the product instruction manual before using the product--Included warranty card, pictures for reference only

Lenovo

Important Safety Instructions

To reduce the risk of injury or damage, keep these safety precautions in mind when setting up, using and maintaining your Robot:

- Read all safety and operating instructions before operating your Robot.
- Retain the safety and operating instructions for future reference.
- Heed all warnings on your Robot, battery, charging base and in the owner's manual.
- Follow all operating and use instructions.
- The external flexible cable or cord of the power supply unit can't be replaced; if the cord or plug is damaged, the power supply unit shall be disposed of.
- This product is designed to be plugged into a standard outlet only. Product may not be used with any type of power converter. Use of power converters will immediately void the warranty.
- **CAUTION** : Only charge one of the following robot batteries: maximum 14.4V, max 2600mAh Ni-MH or maximum 2600mAh Li-ion battery. Other type of batteries may burst causing injury. Always contact Customer Care for the correct replacement of your battery.
- Always charge and remove the battery from your robot and accessories before long-term storage or transportation.
- The battery must be removed from this device before this device is disposed. To remove the battery from this device, first remove the screws on the bottom, then remove the main PCB and unscrew the battery cover using a screwdriver. Remove the battery by disconnecting the quick connector.
-  **WARNING Chemical Exposure:** If the battery pack is leaking, do not allow the liquid to come in contact with skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice. Place the battery (the used battery pack included when the robot will be disposed) in a sealed plastic bag and dispose of safely according to local environmental regulation.
-  **WARNING Fire or Explosion Hazard:** Do not crush or dismantle battery packs. Do not heat or place the battery pack near any heat source or direct sunlight. Do not incinerate or short-circuit the battery pack. Do not subject batteries to mechanical shock.
- Contact your local waste management authority for battery recycling and disposal regulations in your area.
- Your robot is not a toy. Do not sit or stand on robot. Children and pets should be supervised when your robot is operating.
- Robot is for indoor use only.
- Do not use non-rechargeable batteries. Use only the rechargeable battery supplied with the product. For replacement, purchase identical probot battery or contact probot Customer Care for alternative battery options.
- Store and operate robot in room temperature environments only.
- Do not spray or pour liquids on your Robot.
- Do not use any other power supply cord. For replacement cords, please contact Customer Care to ensure proper selection of

Important Safety Instructions

- country specific power supply cord.
- Do not use robot to pick up sharp objects, glass, or anything that is burning or smoking.
- Do not immerse the battery pack in any liquid.
- Do not use robot to pick up spills of water bleach, paint, or other chemicals, or anything wet.
- Before using robot, pick up objects like clothing, loose papers, pull cords for blinds or curtains, power cords, and any fragile objects. If robot passes over a power cord and drags it, there is a chance an object could be pulled off a table or shelf.
- If the room to be cleaned contains a balcony, a physical barrier should be used to prevent access to the balcony and ensure safe operation.
- Do not place anything on top of your Robot.
- Be aware that the robot moves on its own. Take care when walking in the area that the Robot is operating in to avoid stepping on it.
- Do not operate the Robot in areas with exposed electrical outlets in the floor.
- Do not use this device on an unfinished, unsealed, waxed or rough floor. It may result in damage to the floor and this device. Use only on hard floor surfaces or low pile carpet.
- This device has been designed to be used on floors without scratching them. We still recommend that you test this device on a small area of the room to be cleaned to ensure no scratches are made before cleaning the whole room.

Battery and Charging / Information

Lithium-ion Battery

Important: Lithium-ion batteries and products that contain Lithium-ion are subject to stringent transportation regulations. If you need to ship this product (with the battery included) for service, travel or any other reason, you MUST comply with the following shipping instructions:

- Remove the Lithium-ion battery from the product.
- Place a Piece of tape over the battery's metal charging contacts. • Reinstall the battery (with the tape on it) in the product and secure the battery door.
- Package the product in its original packaging or in your own packaging that prevents any movement during transportation
- Ship via ground transportation only (no air shipping).

Battery Storage

If storing robot off the Charging Base, remove the battery first. Then store Robot and the battery in a cool, dry place.

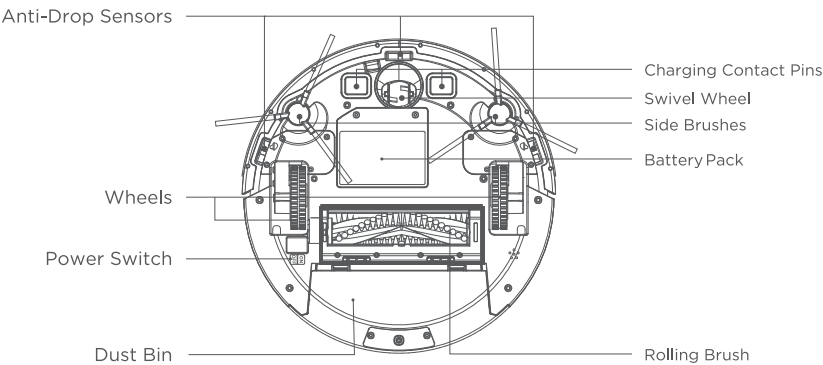
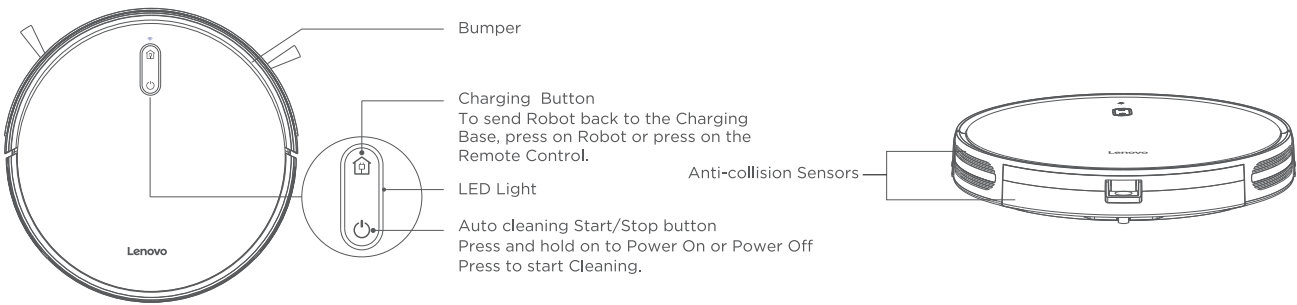


The symbol on the product or its packaging indicates:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local authority for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps hazardous substances can leak into the groundwater and get into the food Chain, damaging your health and well-being. Please contact your local or regional waste authority for more information on collection, reuse and recycling programs.

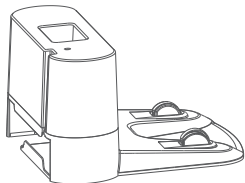
About Your Robot

1.1 Robot

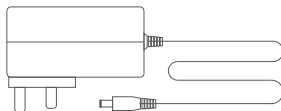


About Your Robot

1.2 Accessories



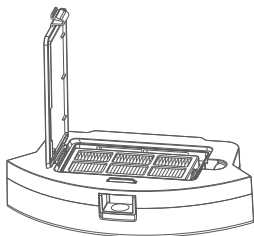
Charging Base



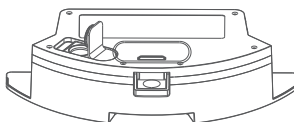
Adapter



Brush



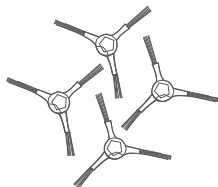
Dust Bin



Water Tank



Sponge Filter and High Efficiency Filter



4 x Side Brushes



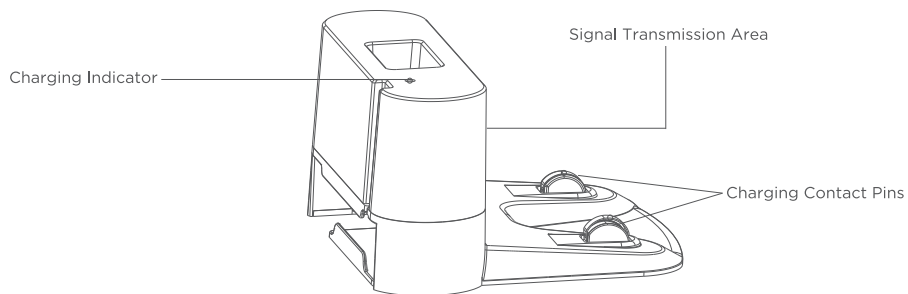
Planting brush



2 x Cleaning Cloths

About Your Robot

1.3 Charging Base



Install 2 AAA batteries before using the remote control for the first time. Make sure the positive and negative ends are facing the correct polarity direction as marked in the battery compartment.

About Your Robot

1.4 Light indicator

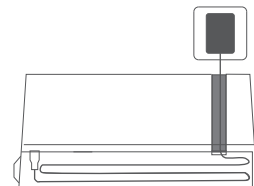
Robot status	Light
Charging	Orange light breathes
Charging finished	Green light ON
Standby mode	Green light ON
Error	Red light ON/flashing
Low battery	Orange light ON
Cleaning	Green light ON
Sleeping mode	Light Off

Using Your Robot

2.1 Quick Start

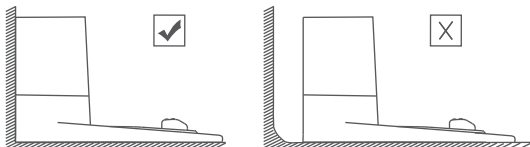
- 1 Plug in the Charging Base, and take the rest wire into the trunking at the bottom of Charging Base.

Note: If you don't put the rest wire into the trunking, which may stuck the Robot while charging or cleaning.



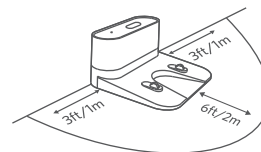
- 2 Charging Base Position

1. Place the Charging Base on a hard, level surface and against a wall.

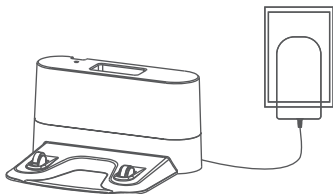


2. Place the Charging Base against the wall & make sure the place is open & uncluttered area leaving at least.

- 2 meter (6.5 feet) in front of the Charging Base
- 1 meter (2.3 feet) on both sides of the Charging Base.



3. Connect the round connector of the adapter into the power socket on the Charging Base and the other end into a wall outlet.

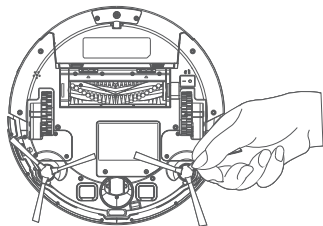


Install the Charging Base in a location that robot can easily access. It is recommended to place the Charging Base against a wall, and on a hard-level surface rather than on rugs or carpets. Always keep the Charging Base plugged in, otherwise robot will not automatically return to it.

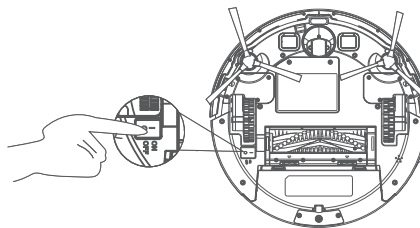
Using Your Robot

3 Install Side Brushes

Attach side brushes to the bottom of robot By pressing a brush into each slot .



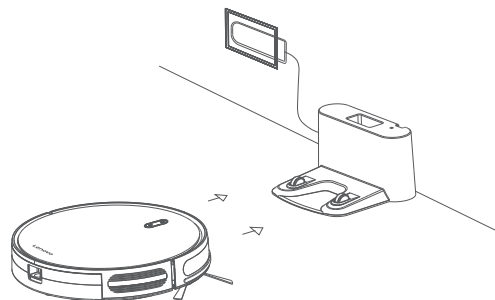
4 Turn on the main power switch on the bottom of robot




5 Activate the Robot

Place robot onto the Charging Base, making sure the metal charging contacts on the Charging Base match up with those underneath the Robot.

If successful you will hear a series of tones. once the Power button illuminates robot is ready for use.



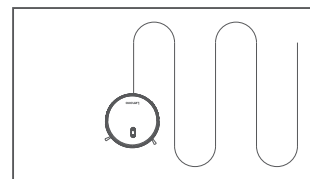
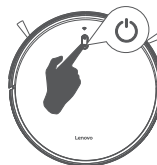
6 Start Cleaning Cycle

- Press  the power button Once to wake up the Robot.
- Press  the power button again to start a cleaning cycle

If its battery gets low before finishing a cleaning cycle, Robot will ret urn to the Charging Base to recharge.



If the Charging Base is inaccessible, Robot will not be able to recharge. it will return to its starting location and the cleaning cycle will end, please place the Robot manually on Charging Base for charging. (Refer Activate the Robot)

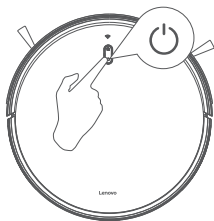
Note: Please refer to section 2.2 for more Cleaning Mode.




7 Pause

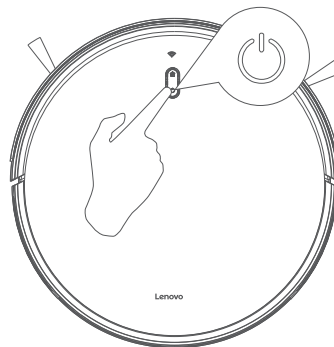
- To pause the Robot during a cleaning cycle press the button.

- To resume the cleaning cycle, press  button again.
- To send robot back to The Charging Base, press  button.



8 Power OFF

- To end the cleaning cycle and put robot in standby mode, press and hold  button until Robot indicators turn off.

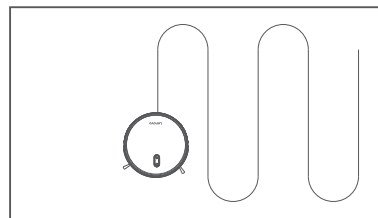


1 Auto Cleaning

- At the start of a cleaning cycle, Robot will map out your home and cleaning them efficiently.
- At various times throughout the cleaning cycle, Robot touches up around the edges of the room, as well as chair legs and other furniture.
- Robot continues this process until it has cleaned entire level of your home.

If its battery gets low before finishing a cleaning cycle, Robot auto returns to the Charging Base to recharge.

- Once Robot finishes its cleaning cycle, Robot returns to the Charging Base to recharge.



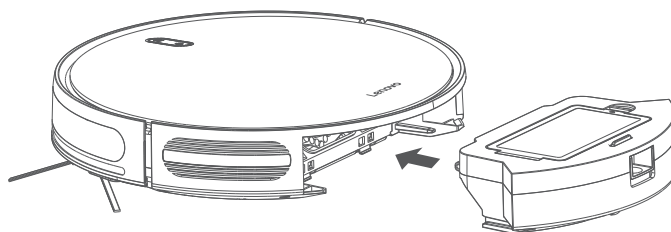
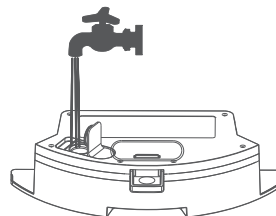
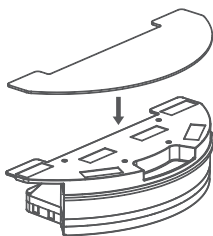
Using Your Robot

2 Floor Mopping cleaning

Robot supply a water tank that the robot can floor mops Cleaning for your home

1. Attach the cloth and fill the water tank with water.
2. Remove the dust bin.
3. Put back the water tank to robot and start the Robot.

Note: If you are using a Dry sweeping Cleaning, skip to fill water in water.



App Settings

Connect to the mobile client (skip the step if APP control isn't required).The product can be controlled via "Lenovo Cleaner" App

1 Download App

Search "Lenovo Cleaner" in App Store to download and install.



Lenovo Cleaner

2 Register

Open "Lenovo Cleaner" to register or login account. For more operation and purchase information, please login "Lenovo Cleaner" to check.

3 Enter Network Distribution State

Power on the device – make sure that the Wi-Fi indicator is flashing. If it fails to flash, please press Auto cleaning Start/Stop button and Charging Button simultaneously for 3s until Wi-Fi indicator flashes and you can hear beep.

4 WiFi Network Configuration

Make sure that your mobile phone has been connected to WiFi (only support 2.4GHz band WiFi). Click "Add Device" in the "Lenovo Cleaner" – select "Lenovo Cleaner E1" to enter the next interface – click "the next step" after you confirm that the Wi-Fi indicator is flashing.

5 Add Device

Input WiFi password in the "Lenovo Cleaner"- click "the next step" (operate according to the prompt message). After the Lenovo Cleaner is successfully connected to WiFi - select the room – add device successfully after you click "finish".

Regular Robot Care

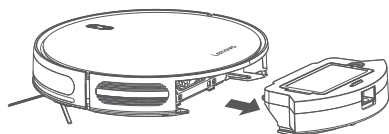
To keep Robot running at peak performance, perform the following care procedures. If you notice Robot picking up less debris from your floor, then empty the bin, clean the filter and rolling brush.
Recommended cleaning / replacement frequency :

Robot Part	Cleaning	Replacement Frequency
Dust Bin	After each use	—
Filters	Once every week	Every 2 months
Rolling Brush	Once every week	Every 6-12 months
Side Brushes	Once every month	Every 3-6 months(or when visibly worn)
Brush Guard	Once every month	Every 3-6 months(or when the silicone rubber strip on the brush guard becomes visibly worn)
Sensors	Once every month	—
Charging Pins	Once every month	—
Swivel Wheel	Once every month	—

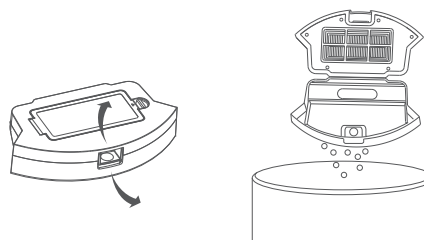
Regular Robot Care

3.1 Emptying Robot 's Bin

1 Press bin release button to remove the bin.

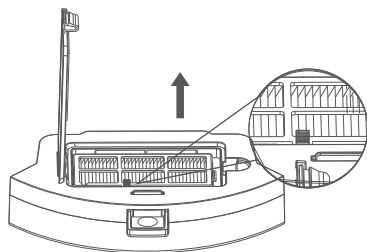


2 Open bin's door to empty it.

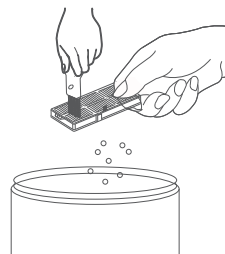


3.2 Cleaning Robot 's Filter

1 Press bin release button to remove the bin.



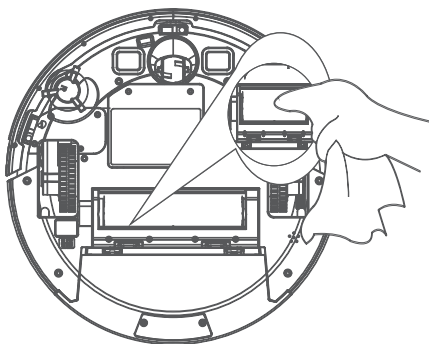
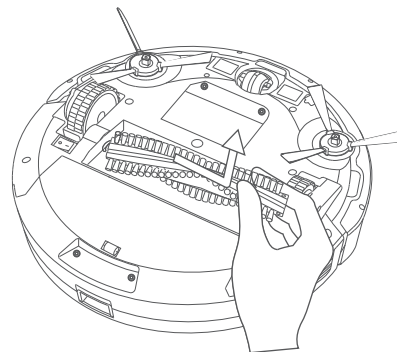
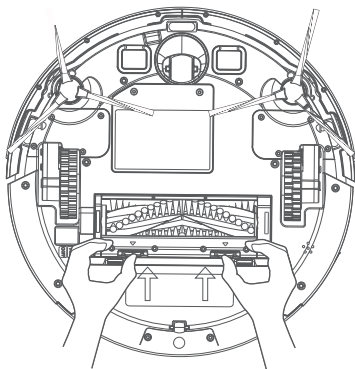
2 Shake off debris by tapping the filter against your trash container.



Regular Robot Care

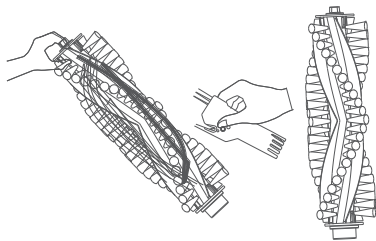
3.3 Cleaning Robot 's Rolling Brush,Side Brush, Swivel Wheel and Sensors.

- 1 Take out the rolling brush, clean the vacuuming aisle by a cloth.

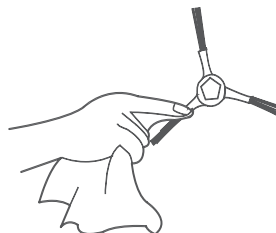


Regular Robot Care

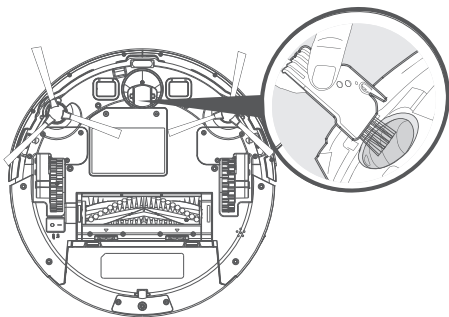
- 2 Clean the rolling brush. Cut down the hair winded in the rolling brush with the provided cleaning tool's knife.



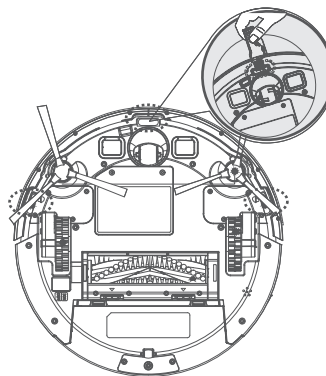
- 3 Remove the side brush, use a cloth to remove the dust from the brush.



- 4 Pull out the swivel wheel, then clean the Swivel Wheel with the cleaning tool.



- 5 Dust off the cliff sensors to maintain the best performance.



Troubleshooting

light indicator

Any error that occurs during operation will be notified by the robot through light status and beeps,the instruction as below.

Beeps and red light flashing:

	beeps	error	solution
01	1	Gyroscope error	Keep the robot at a stable place to restart and do not move the machine
02	2	bumper error	Check the bumper and remove any object that could be blocking it
03	3	drop sensor error	Check if the bumper dirty and clean sensor
04	4	Low power or charging error	robot voltage is too low and needs manually charging

Beeps and red light always on:

	beeps	error	solution
01	1	Driving wheel error	Check if the drive wheel is blocked
02	2	Side brushes error	Check if the side brush is blocked and clean the side brush
03	3	Fan error	Clean up the garbage and air ducts channel
04	4	Roller brush error	Check if the roller brush is entangled and clean the roller brush

Tips

If the above method can not solve the problem, please try the following:

1. turn on the power switch at the bottom of the robot and restart.
2. If the problem cannot be solved by restarting, please contact the after-sales service center.

Frequently Asked Questions

Problems	Solutions	
Robot cannot be activated.	<ul style="list-style-type: none">• Make sure the main power switch is in the ON Position.• Make sure the battery is fully charged.• Replace the batteries (2AAA) in the Remote Control.	<ul style="list-style-type: none">• Make sure the remote control is within range (16 ft/5 m) of robot• If you still have trouble, turn off the main power switch and then turn it back on.
The remote control does not work.	<ul style="list-style-type: none">• Replace the batteries in the Remote Control.• Make sure robot is turned on and fully charged.	
Robot stops working suddenly.	<ul style="list-style-type: none">• Check if robot is trapped or stuck on an obstacle.• Check if the battery level is too low.	<ul style="list-style-type: none">• If you still have trouble, turn off the main power switch, wait for 2 seconds, and then turn it back on.
You can't schedule cleaning.	<ul style="list-style-type: none">• Make sure the main power switch on the bottom of robot is turned on.• Make sure the time, time of day (AM/PM), and the scheduled time have been set correctly.	<ul style="list-style-type: none">• Check if robot's power is too low to start cleaning
Suction power is weak.	<ul style="list-style-type: none">• Check if any obstructions are blocking the suction inlet.• Empty the dust bin.• Clean the filters with a vacuum cleaner or a cleaning brush.	<ul style="list-style-type: none">• Check if the filters are wet due to water or other liquid on the floor. Air-dry the filters completely before use.
Robot can't be charged.	<ul style="list-style-type: none">• Check if the indicator on the Charging Base lights up. If not, contact the service center to repair or replace the Charging Base.• Dust off the charging contact pins with a dry cloth.	<ul style="list-style-type: none">• Check if you can hear a beep when robot is return the Charging Base. If not, contact the amarey service center to repair or replace the Charging Base.
Robot can't return to the Charging Base.	<ul style="list-style-type: none">• Remove objects within 3 ft/1 m to the left and right side and within 6 ft/2 m of the front of the Charging Base.	<ul style="list-style-type: none">• When robt is in the vicinity of the Charging Base, it will return more quickly. However, if the Charging Base is located far away, Robot will need more time to return, please be patient as it works its way back.• Clean the charging contact pins.
The rolling brush doesn't rotate.	<ul style="list-style-type: none">• Clean the Rolling Brush.	<ul style="list-style-type: none">• Check if the Rolling Brush and brush guard have been installed properly.
Robot movements or travel path are abnormal.	<ul style="list-style-type: none">• Clean the sensors carefully with a dry cloth.	<ul style="list-style-type: none">• Restart robot by turning the power switch off and on.

Warranty card

Dear users, this warranty card is your certificate to apply for warranty, please cooperate with the seller to fill in and keep it properly!

Information	Address		Postal Code	
	Contact number			
	Product name		Product Bar Code/Serial Number/ Batch Number	
Product information	Product model			
Seller Information	Name			
	Address			
	Contact number		Postal Code	
	Sales date		Invoice number	
Remarks				

If you need any support relates to your product please contact the agency you purchased from.

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